

## **West Nile Virus Surveillance Summary Data—Idaho, 2003–2016**

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**Human Data:** WNV infections are reportable in Idaho. Reports are documented in the National Electronic Disease Surveillance (NEDSS) Base System (NBS). Cases are classified as neuroinvasive or non-neuroinvasive. Cases listed as neuroinvasive include the following categories found in NBS: meningitis, encephalitis, meningoencephalitis, polio-like syndrome, and neuroinvasive-other. Positive blood donors are reported by the American Red Cross or the Inland Blood Center.

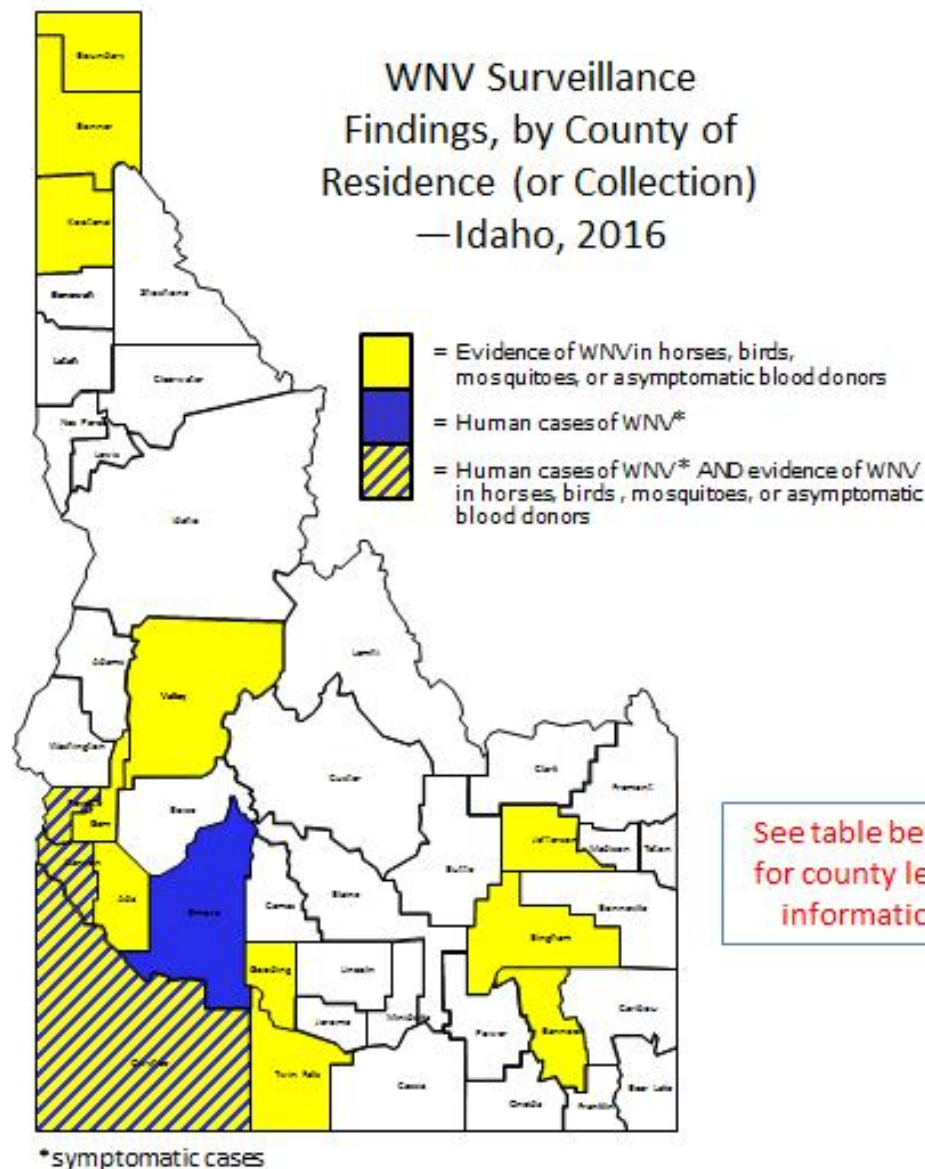
**Veterinary Data:** Colleagues from the Idaho State Department of Agriculture and the Washington State University Animal Disease Diagnostic Laboratory provide BCDP with veterinary surveillance data.

**Avian Data:** Avian surveillance is conducted by the Idaho Department of Fish and Game (IDFG) and Idaho Public Health Districts. Testing is conducted by IDFG and the Idaho Bureau of Laboratories.

**Mosquito Data:** Mosquito surveillance is conducted, through contractual agreement with selected mosquito abatement districts and Public Health Districts; participation varies from year to year. Not all counties in Idaho conduct mosquito surveillance or mosquito control.

# 2016 WNV SURVEILLANCE SUMMARY

- Total reported symptomatic WNV cases: **9**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors†: **2**
- Total reported positive horses: **10**
- Other species: **0**
- Counties reporting positive mosquitoes: **10**
- Total positive counties reporting local transmission: **15**



**WNV- Positive Surveillance Findings, by County of Residence (or Collection), and Event Date—Idaho, 2016**

Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Horses/other mammals (Diagnosis Date) laboratory- confirmed only	Asymptomatic Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> †, additional positive collection dates listed
<b>Ada</b>				<b>7/26/2016</b>	<b>7/26/2016</b> , 8/4, 8/17, 8/25, 8/30, 9/1, 9/7, 9/8, 9/13
Adams					
<b>Bannock</b>					<b>7/29/2016</b> , 8/3, 8/4
Bear Lake					
Benewah					
<b>Bingham</b>					<b>7/25/2016</b>
Blaine					
Boise					
<b>Bonner</b>			<b>8/27/2016</b> , 9/13 (2 horses)		
Bonneville					
<b>Boundary</b>			<b>8/12/2016</b> , 9/7, 9/15, 9/20 (4 horses)		
Butte					
Camas					
<b>Canyon</b>	2 <b>8/12/2016</b> , 11/13/2016	1 <b>8/11/2016</b>			<b>6/28/2016</b> , 6/29, 7/7, 7/19, 7/28
Caribou					
Cassia					
Clark					
Clearwater					
Custer					
<b>Elmore</b>	2			8/1/2016	



	7/21/2016, 8/15/2016				
Franklin					
Fremont					
Gem					7/6/2016, 7/6 (outside MAD), 7/19, 7/25, 8/16. 8/23. 8/30
Gooding			9/9/2016 (1 horse)		
Idaho					
Jefferson					9/8/2016
Jerome					
Kootenai			9/23/2016 (1 horse)		
Latah					
Lemhi					
Lewis		1 8/3/2016 (acquired out of state)			
Lincoln					
Madison					
Minidoka					
Nez Perce					
Oneida					
Owyhee		1 8/23/2016			7/15/2016
Payette	2 8/12/2016, 8/16/2016		8/3/2016, 8/17 (2 horses)		6/27/2016, 7/18, 8/1, 8/8, 8/22, 8/30
Power					
Shoshone					
Teton					
Twin Falls					8/3/2016, 8/17, 8/30
Valley					8/3/2016
Washington					

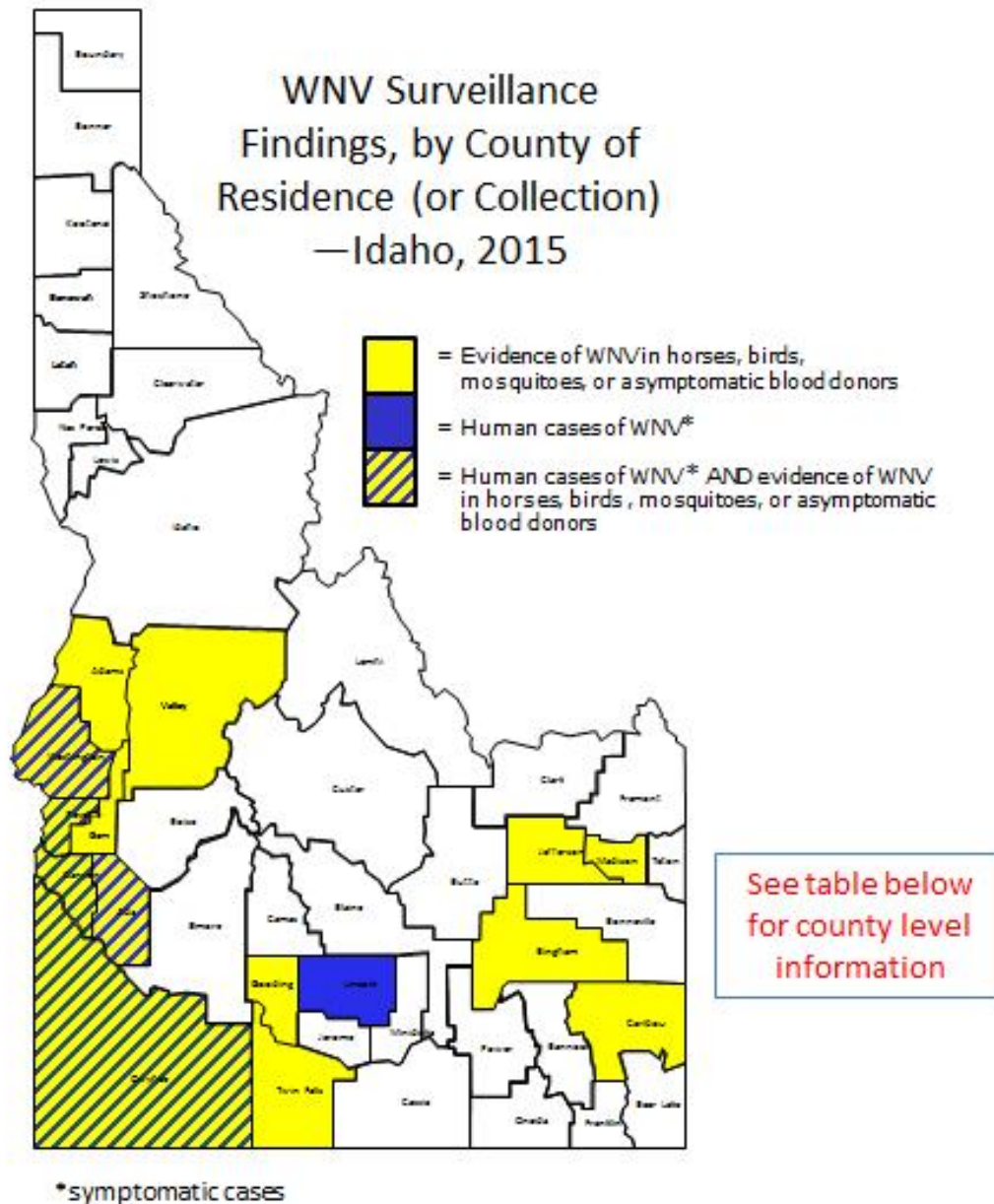
<b>Totals:</b> <b>15</b> Total counties with local WNV activity	<b>6</b> Humans reported with WN fever	<b>3</b> Humans reported with WN neuroinvasive disease	<b>10</b> Animals reported with WNV infections	<b>2</b> Asymptomatic blood donors reported by the Red Cross	<b>10</b> Counties where +mosquito pools were detected by mosquito abatement districts or PHDs
<p>The data presented are (1) <i>provisional</i>, (2) <i>only</i> confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) <i>only</i> Idaho residents.</p> <p>† The American Red Cross routinely screens all donated blood for a variety of infectious agents, including WNV. All donated blood determined positive for WNV is discarded.</p> <p>Every attempt is made to assure the accuracy of the information presented on the map and in the table. Numbers and dates presented here may change, based on completed investigations.</p> <p>†Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2016 Idaho Mosquito Abatement taxing districts:  <a href="https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf">https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf</a></p>					

<b>Quick summary of WNV cases—Idaho, 2016*</b>				
<b>Case count</b>	<b>Onset Date Range</b>	<b>Sex</b>	<b>Age</b>	<b>Deaths</b>
9 (3 neuroinvasive)	7/21/2016 to 11/13/2016	M (67%)	Mean = 44 y (range 12y to 68 y)	0

\*as of 1/13/2017

## **2015 WNV SURVEILLANCE SUMMARY: FINAL**

- Total reported symptomatic WNV cases: 13
- West Nile virus-related deaths: 0
- Asymptomatic presumptive viremic blood donors†: 6
- Total reported positive counties: 15



**WNV- Positive Surveillance Findings, by County of Residence  
(or Collection), and Event Date—Idaho, 2015**

Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Horses/other mammals (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by first positive collection date†	Positive birds
Ada	1 8/15			2	Positive 7/8	
Adams					Positive 7/24	
Bannock						
Bear Lake						
Benewah						
Bingham				1	Positive 7/13	
Blaine						
Boise						
Bonner						
Bonneville						
Boundary						
Butte						
Camas						
Canyon	4 7/10, 7/31, 8/31, 9/1				Positive 6/22	
Caribou				1		
Cassia						
Clark						
Clearwater						
Custer						
Elmore						
Franklin						
Fremont						
Gem			1 horse		Positive	



			8/26		6/22	
Gooding			1 horse 8/18			
Idaho						
Jefferson			1 mule 9/15			
Jerome						
Kootenai						
Latah						
Lemhi						
Lewis						
Lincoln	1 9/18	1 7/23				
Madison			1 horse 9/24			
Minidoka						
Nez Perce						
Oneida						
Owyhee		1 7/26			Positive 7/6	
Payette		2 7/10, 8/8			Positive 7/7	
Power						
Shoshone						
Teton						
Twin Falls				1	Positive 8/18	
Valley				1	Positive 7/23	
Washington	2 6/30, 9/4	1 8/20	1 horse 7/23		Positive 6/30	
<b>Totals:</b> 15 Total counties with reported WNV activity	8 Humans reported with WN fever	5 Humans reported with WN neuroinvasive disease	5 Animals reported with WNV infections (4 horses, 1 mule)	6 Asymptomatic blood donors reported by the Red Cross	9 Counties where + mosq. pools were detected by mosq. abatement districts or PHD	0 Positive birds



The data presented are (1) *provisional*, (2) *only* confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) *only* Idaho residents.

† The American Red Cross routinely screens all donated blood for a variety of infectious agents, including WNV. All donated blood determined positive for WNV is discarded.

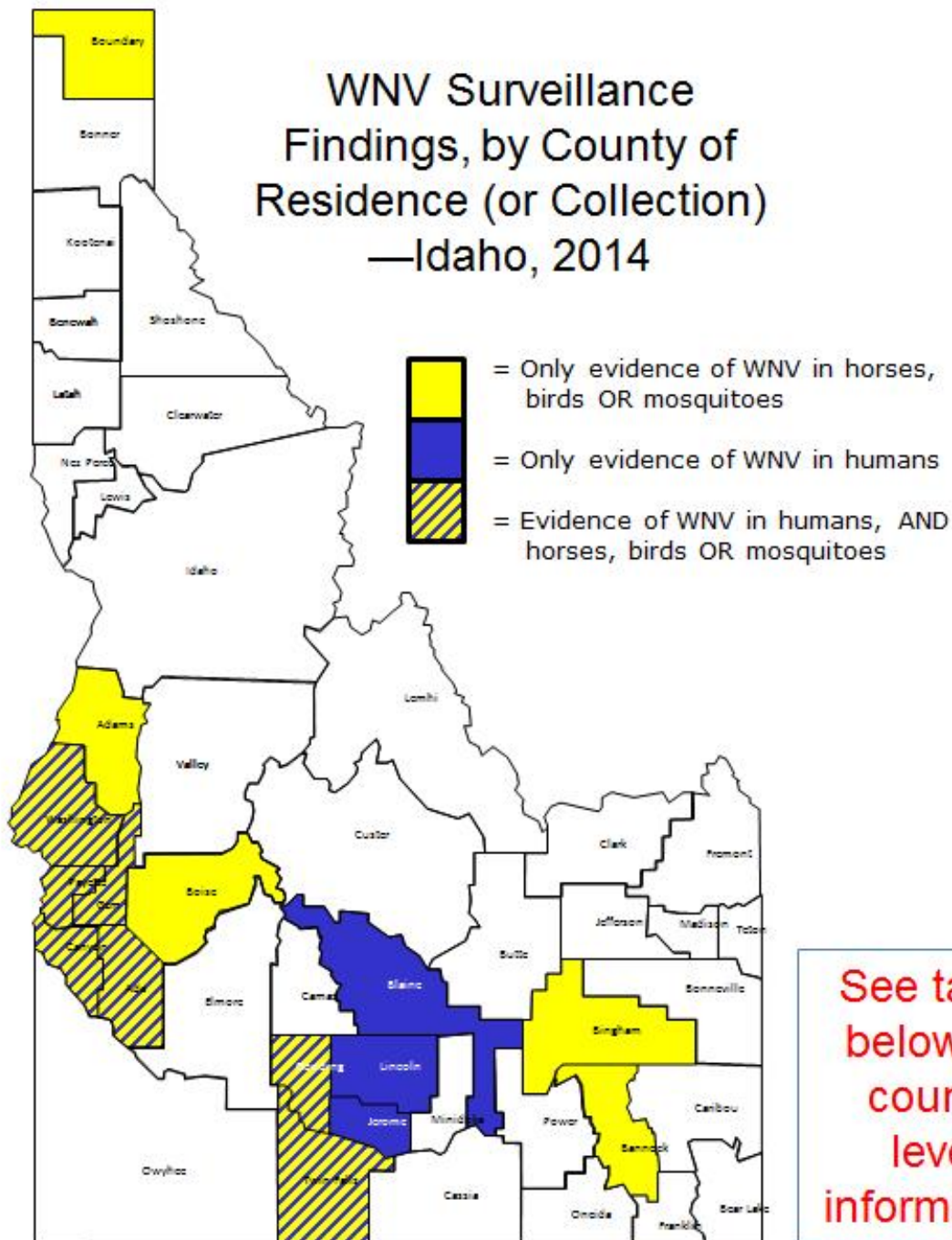
Every attempt is made to assure the accuracy of the information presented on the map and in the table. Numbers and dates presented here may change, based on completed investigations.

†Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2015 Idaho Mosquito Abatement taxing districts:

[http://tax.idaho.gov/ptt/gis/2015TaxDistricts/Mosquito\\_Abatement/Mosquito\\_Abatement.pdf](http://tax.idaho.gov/ptt/gis/2015TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf)



# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2014



See table  
below for  
county  
level  
information

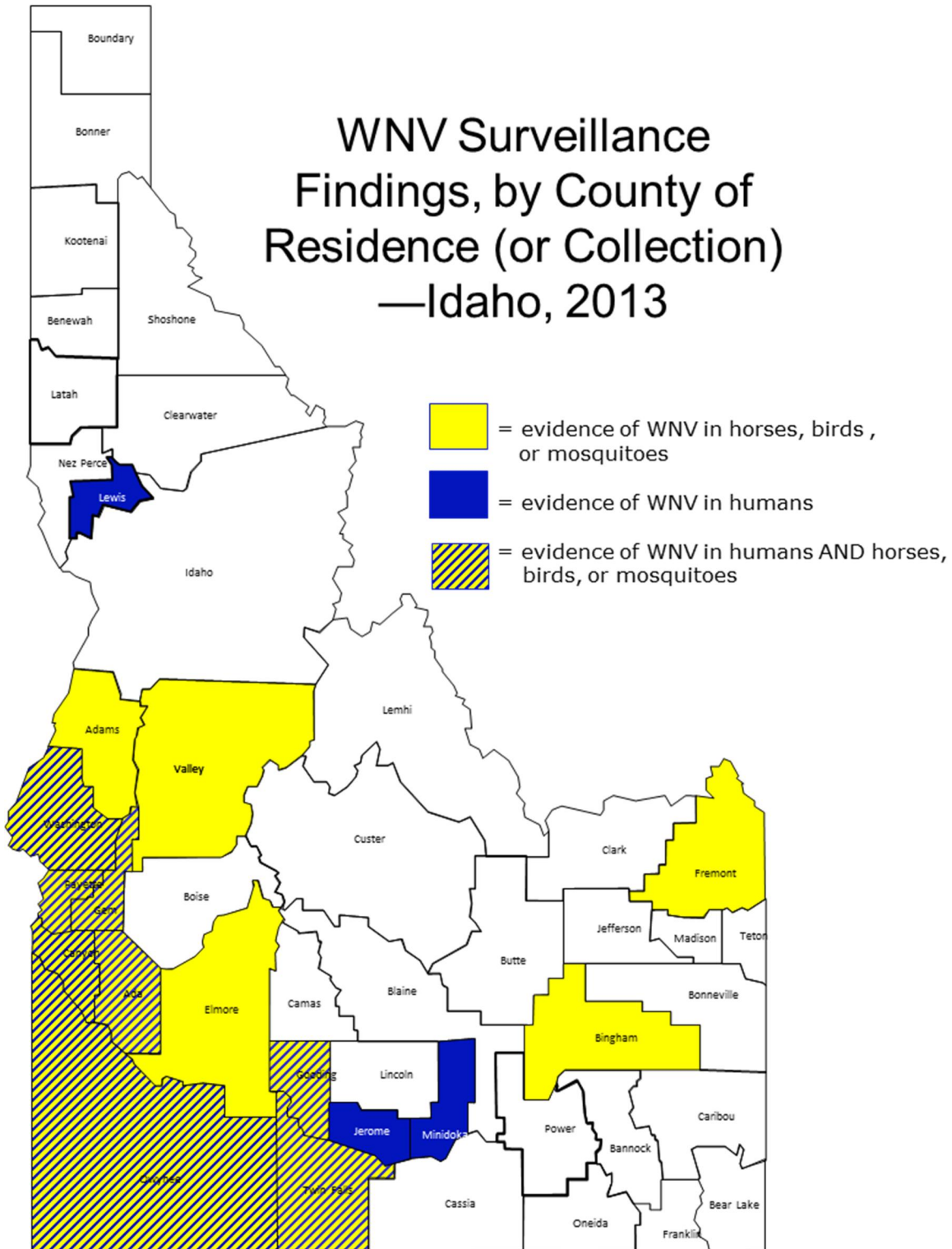
WNV- Positive Surveillance Findings,  
by County of Residence (or Collection), and Event Date—Idaho, 2014\*

Counties	Humans Fever (Onset Date)	Humans Neuroinvasive (Onset Date)	Horses/other mammals (Diagnosis Date)	Birds (Diagnosis Date)	Positive Mosquito Pools, by collection date†
Ada	1	1	1	0	Positive
Adams	0	0	0	0	Positive
Bannock	0	0	1	0	0
Bear Lake	0	0	0	0	0
Benewah	0	0	0	0	0
Bingham	0	0	0	0	Positive
Blaine	1	0	0	0	0
Boise	0	0	1	0	0
Bonner	0	0	0	0	0
Bonneville	0	0	0	0	0
Boundary	0	0	0	0	Positive
Butte	0	0	0	0	0
Camas	0	0	0	0	0
Canyon	0	1	0	0	Positive
Caribou	0	0	0	0	0
Cassia	0	0	0	0	0
Clark	0	0	0	0	0
Clearwater	0	0	0	0	0
Custer	0	0	0	0	0
Elmore	0	0	0	0	0
Franklin	0	0	0	0	0
Fremont	0	0	0	0	0
Gem	2	0	0	0	Positive
Gooding	2	1	1	0	0
Idaho	0	0	0	0	0
Jefferson	0	0	0	0	0
Jerome	1	0	0	0	0
Kootenai	0	0	0	0	0

Latah	0	0	0	0	0
Lemhi	0	0	0	0	0
Lewis	0	0	0	0	0
Lincoln	4	0	0	0	0
Madison	0	0	0	0	0
Minidoka	0	0	0	0	0
Nez Perce	0	0	0	0	0
Oneida	0	0	0	0	0
Owyhee	0	0	0	0	0
Payette	0	1	0	0	Positive
Power	0	0	0	0	0
Shoshone	0	0	0	0	0
Teton	0	0	0	0	0
Twin Falls	1	0	0	0	Positive
Valley	0	0	0	0	0
Washington	1	2	2	0	0
<b>Totals</b>	<b>13</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>8 counties</b>
Total Reported Cases: <u>19</u>					
Total Reported Positive Counties: <u>15</u>					
<p>*The data presented are (1) <i>provisional</i>, (2) <i>only</i> confirmed or probable symptomatic infections and (3) <i>only</i> reflects Idaho residents.</p> <p>Every attempt is made to assure the accuracy of the information presented in the table. Numbers and dates presented here may change, based on completed investigations.</p>					
<p>West Nile virus-related deaths: <u>0</u></p> <p>Positive blood donors: <u>0</u></p>					
<p>†Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2013 Idaho Mosquito Abatement taxing districts:</p> <p><a href="http://tax.idaho.gov/ptt/gis/2013TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf">http://tax.idaho.gov/ptt/gis/2013TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf</a></p>					

Last reviewed 3/10/2015

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2013



Lewis County case exposed in Canyon County

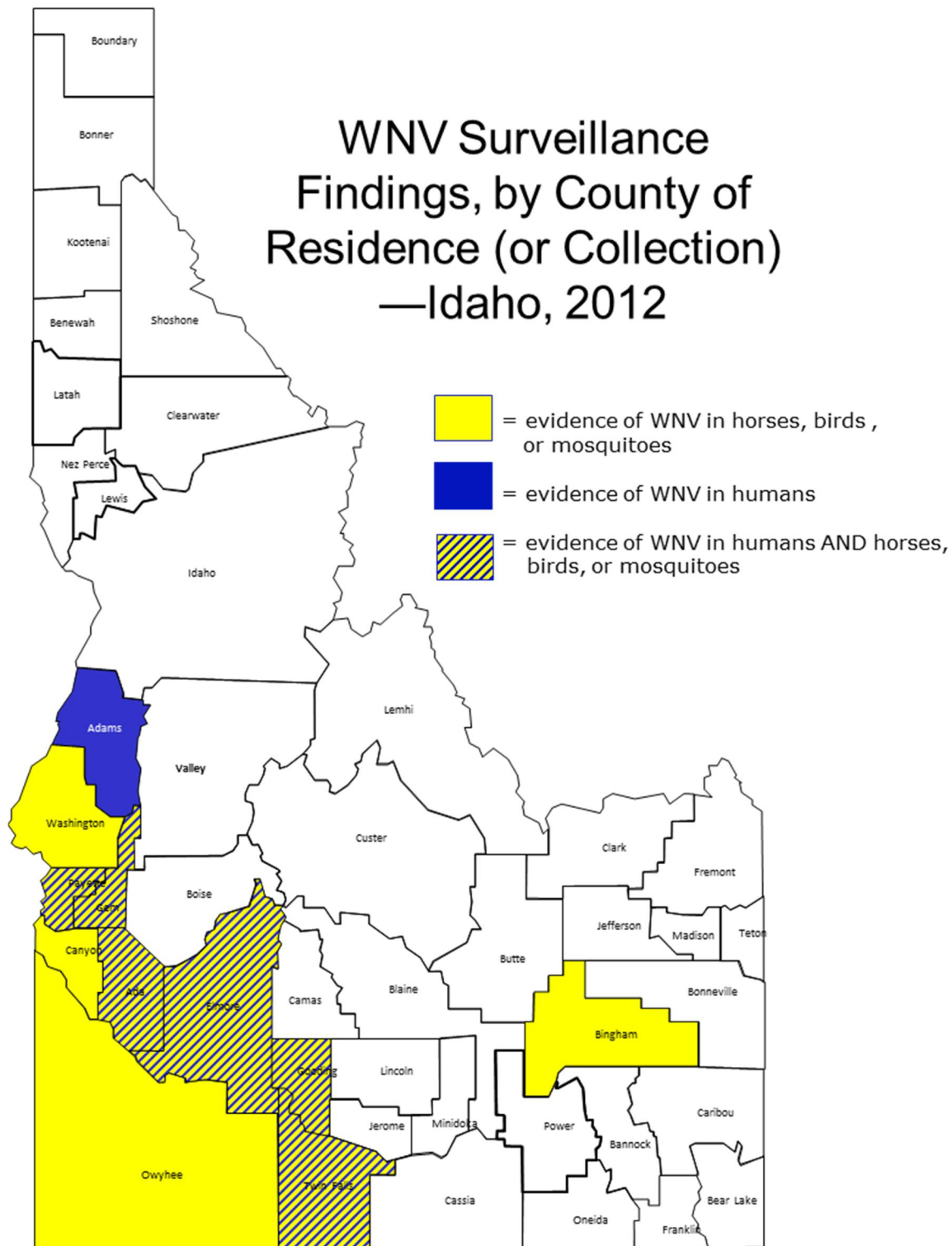


### WNV Surveillance Findings, by County—Idaho, 2013

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	7	0	1	-	Positive
Adams	0	0	-	-	Positive
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	6	8	5	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	Positive
Franklin	0	0	-	-	-
Fremont	0	0	1	-	-
Gem	0	1	1	-	Positive
Gooding	1	1	-	-	Positive
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	1	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	1	-	-	-

Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	1	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	1	1	1	-	Positive
Payette	4	1	-	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	1	-	-	Positive
Valley	0	0	1	-	Positive
Washington	3	0	-	-	Positive
Totals	26	14	10	0	12
As of 1/24/2014: Total reported cases: <b>40</b> Total positive counties: <b>16</b>					
The data presented include <i>only</i> confirmed or probable symptomatic infections and <i>only</i> reflects Idaho residents. Every attempt is made to assure the accuracy of the information presented in the table. Numbers and dates presented here may change, based on completed investigations.					
West Nile virus-related deaths: <b>2</b> (included in totals shown in table) Blood donors: <b>12</b> (10 asymptomatic donors not in table)					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2012



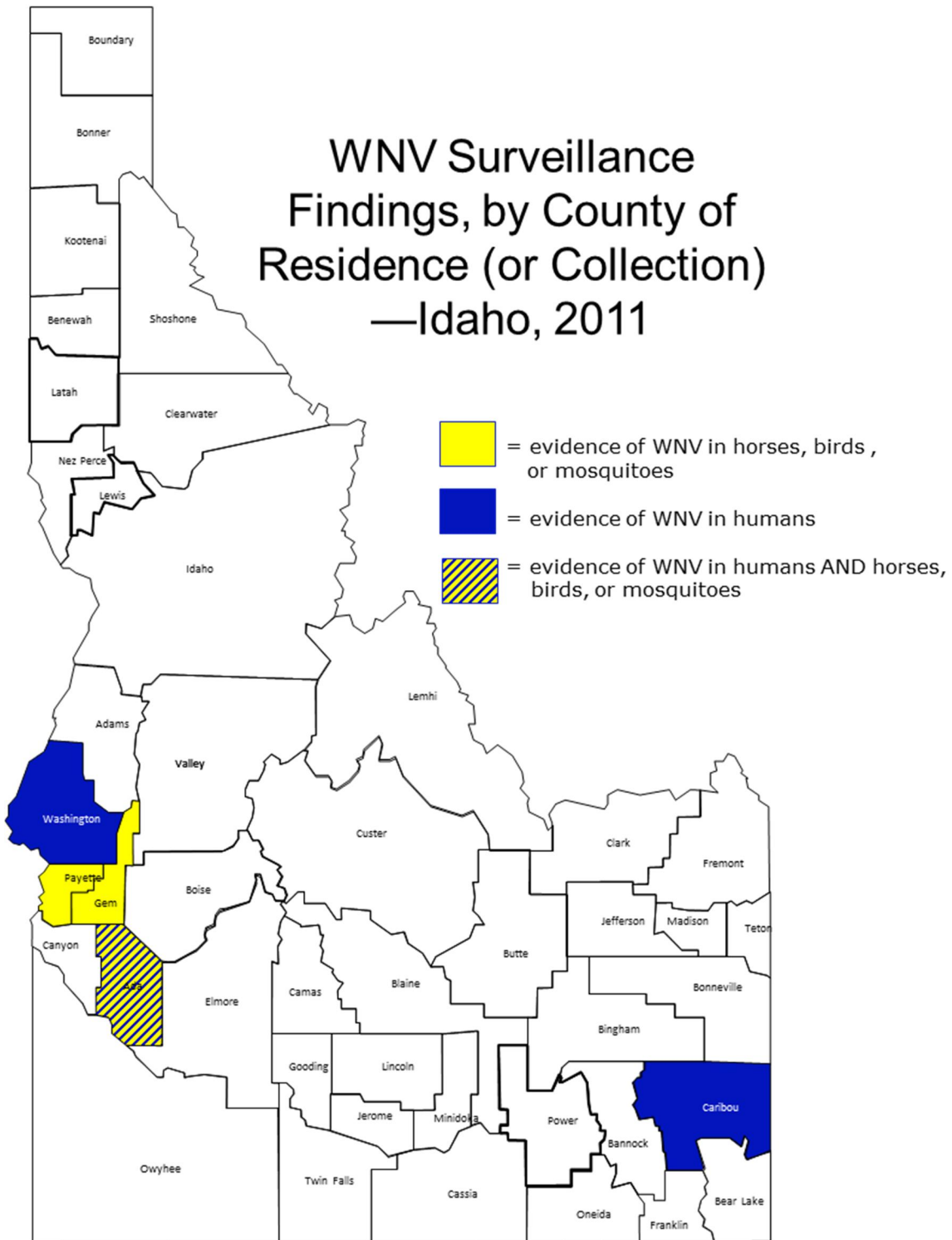


# WNV Surveillance Findings, by County—Idaho, 2012

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	1	1	-	1 (Barn Owl)	Positive
Adams	1	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	3	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	1	2	1	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	4	1	-	-	Positive
Gooding	1	0	2	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-

Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	2	1 (Golden Eagle)	Positive
Payette	2	1	-	1 (American Kestrel)	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	0	-	-	Positive
Valley	0	0	-	-	-
Washington	0	0	1	-	-
<b>Totals</b>	<b>12</b>	<b>5</b>	<b>9</b>	<b>3</b>	<b>7 counties</b>
Total reported cases: <b><u>17</u></b>					
Total reported counties: <b><u>11</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>2</u></b> (asymptomatic, not in table)					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2011

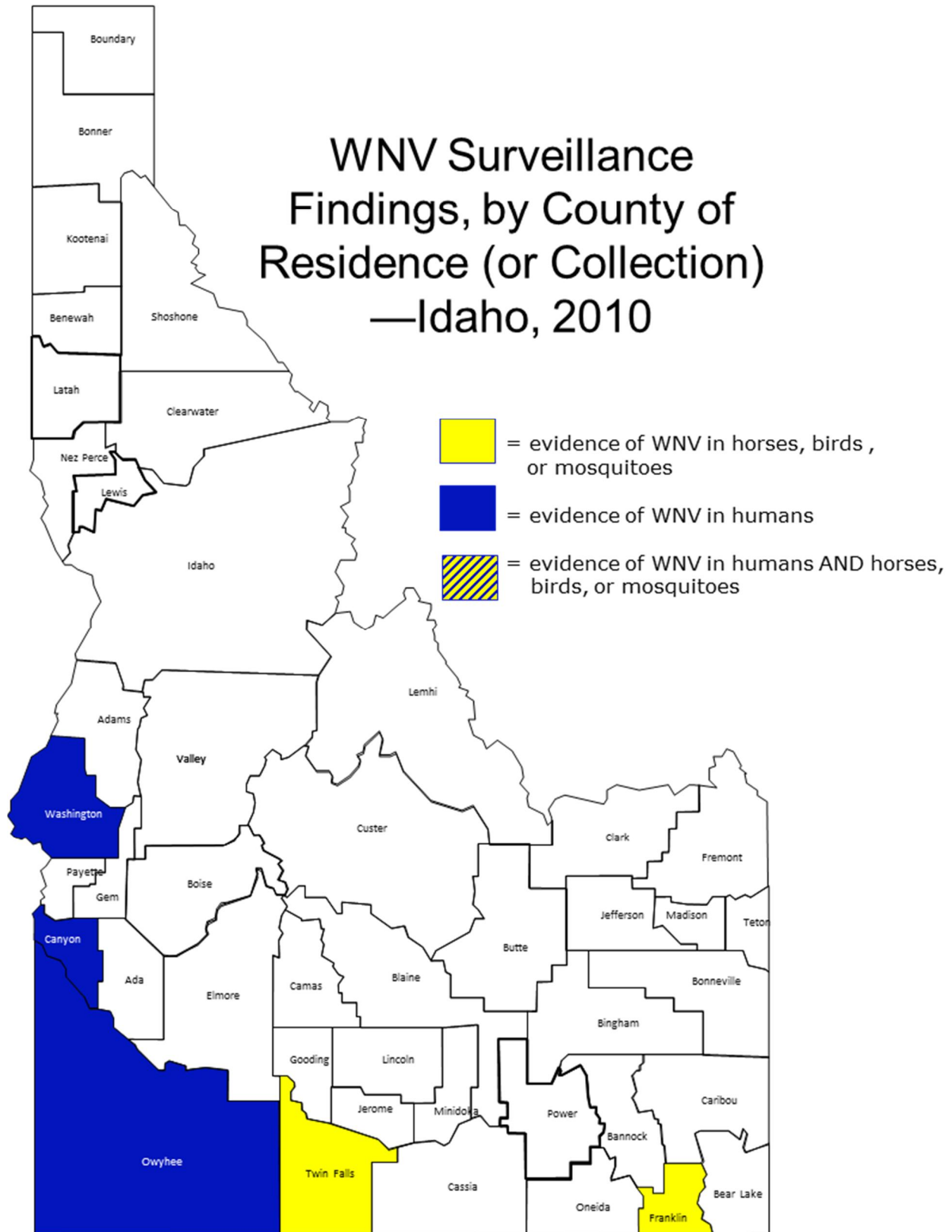


# WNV Surveillance Findings, by County—Idaho, 2011

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	1	0	1	-	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	-	-	-
Caribou	0	1	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	0	0	-	-	Positive
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-

Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	-	-	-
<b>Payette</b>	0	0	-	-	<b>Positive</b>
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	-	-	-
Valley	0	0	-	-	-
<b>Washington</b>	<b>1</b>	0	-	-	-
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>
Total reported cases: <b><u>3</u></b>					
Total positive counties: <b><u>5</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>0</u></b>					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2010



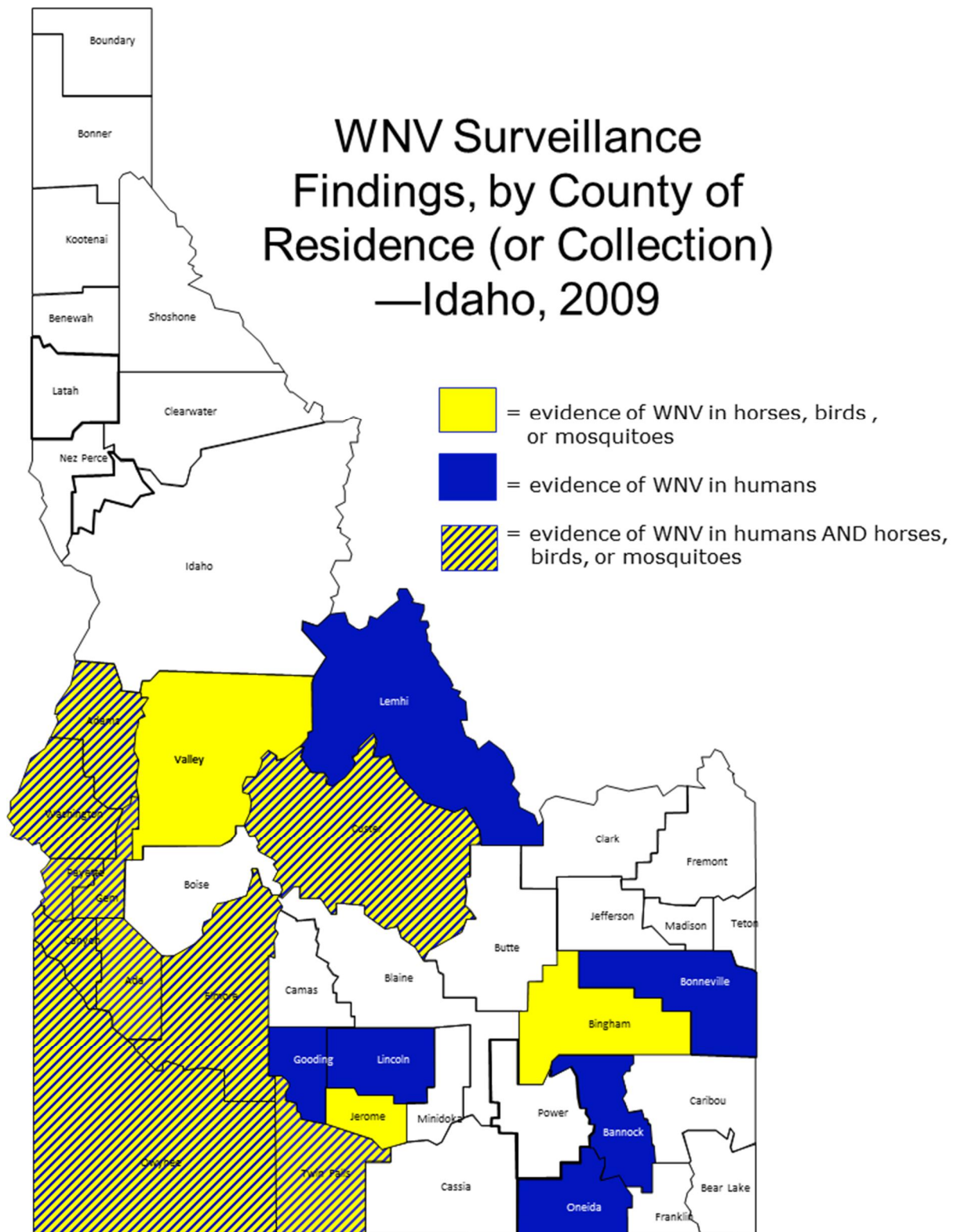
# WNV Surveillance Findings by County—I Idaho, 2010

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	0	0	-	-	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	1	0	-	-	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
Franklin	0	0	1	-	-
Fremont	0	0	-	-	-
Gem	0	0	-	-	-
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	1	0	-	-	-
Payette	0	0	-	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	Alpacas (2)	-	-
Valley	0	0	-	-	-
Washington	1	0	-	-	-
<b>Totals</b>	<b>3</b>	<b>0</b>	<b>Horse (1), Alpaca (2)</b>	<b>0</b>	<b>0</b>
Total symptomatic cases: <u>3</u> Total positive counties: <u>5</u>					
West Nile virus-related deaths: <u>0</u> (included in totals shown in table) Blood donors: <u>0</u>					



# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2009



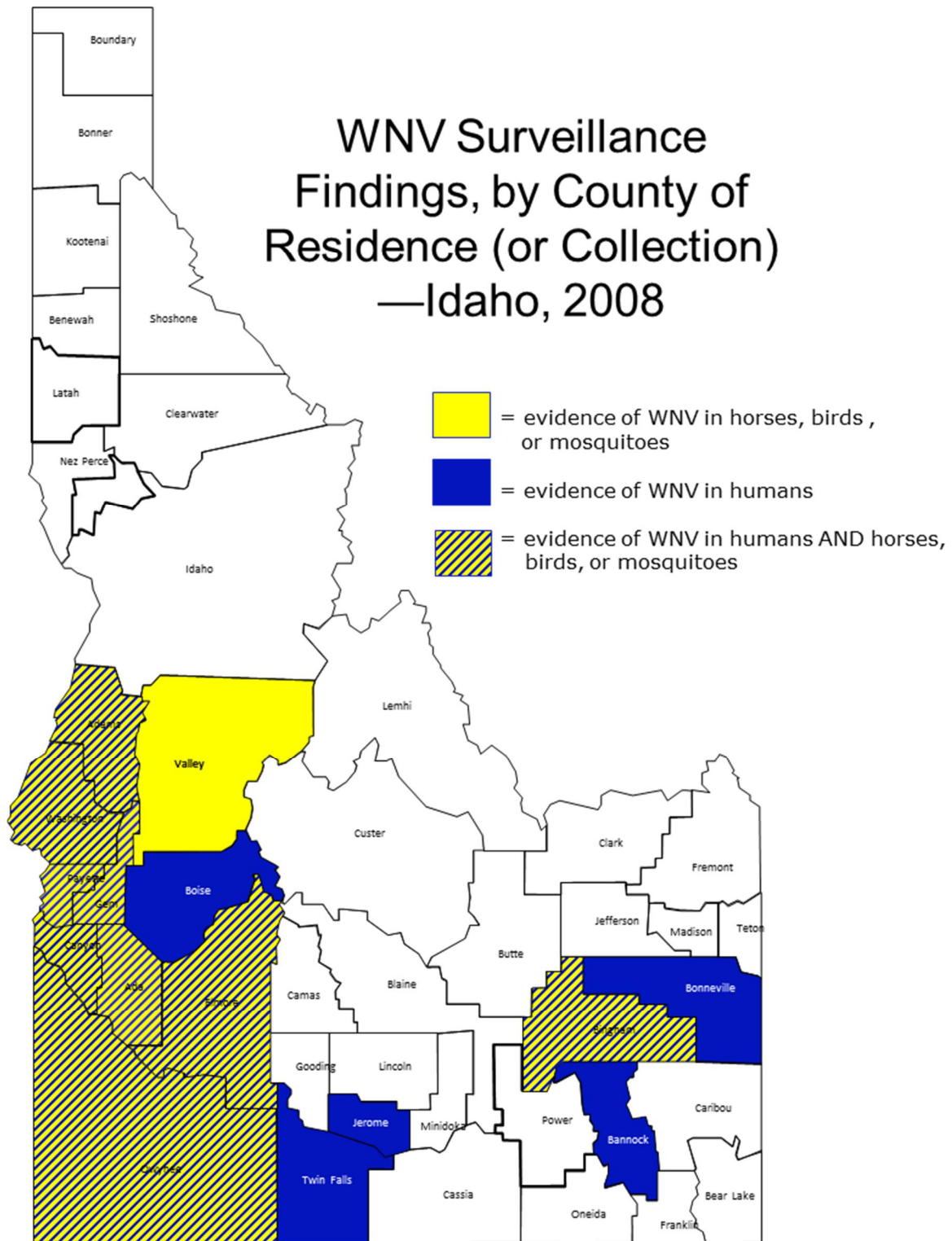
## WNV Surveillance Findings, by County—Idaho, 2009

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	3	1	1	0	Positive
Adams	0	1	-	Sage Grouse (1)	Positive
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	1	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	8	1	2, Dog (1)	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	1	0	1	-	-
Elmore	4	2	-	-	Positive
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	2	0	-	-	Positive
Gooding	1	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	1	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	1	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	1	-	-	-



Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	1	0	-	-	-
Owyhee	0	1	1	-	Positive
Payette	1	1	2	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	1	1	-	Positive
Valley	0	0	-	-	-
Washington	2	1	-	-	Positive
<b>Totals</b>	<b>25</b>	<b>12</b>	<b>Horse (9), Dog (1)</b>	<b>1</b>	<b>10</b>
Total symptomatic cases: <u>37</u> Total positive counties: <u>17</u>					
West Nile virus-related deaths: <u>2</u> (included in totals shown in table) Asymptomatic blood donors: <u>2</u>					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2008



# WNV Surveillance Findings, by County—Idaho, 2008

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	5	1	-	-	Positive
Adams	3	1	-	1(Golden Eagle)	-
Bannock	2	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	2	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	1	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	2	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	2	0	-	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	3	1	-	1(Sharp- shinned Hawk)	Positive
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	2	0	-	1(Golden Eagle)	Positive
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	1	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	1	1	-	-
Payette	2	1	-	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	1	1	-	-	-
Valley	0	0	-	1(American Crow)	-
Washington	4	0	-	-	Positive
<b>Totals</b>	<b>30</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>7</b>
Total symptomatic cases: <u>36</u> Total positive counties: <u>15</u>					
West Nile virus-related deaths: <u>1</u> (included in totals shown in table) Blood Donors: <u>0</u>					



### WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2007

Legend:

- Yellow = evidence of WNV in horses, birds, or mosquitoes
- Blue = evidence of WNV in humans
- Diagonal stripes = evidence of WNV in humans AND horses, birds, or mosquitoes

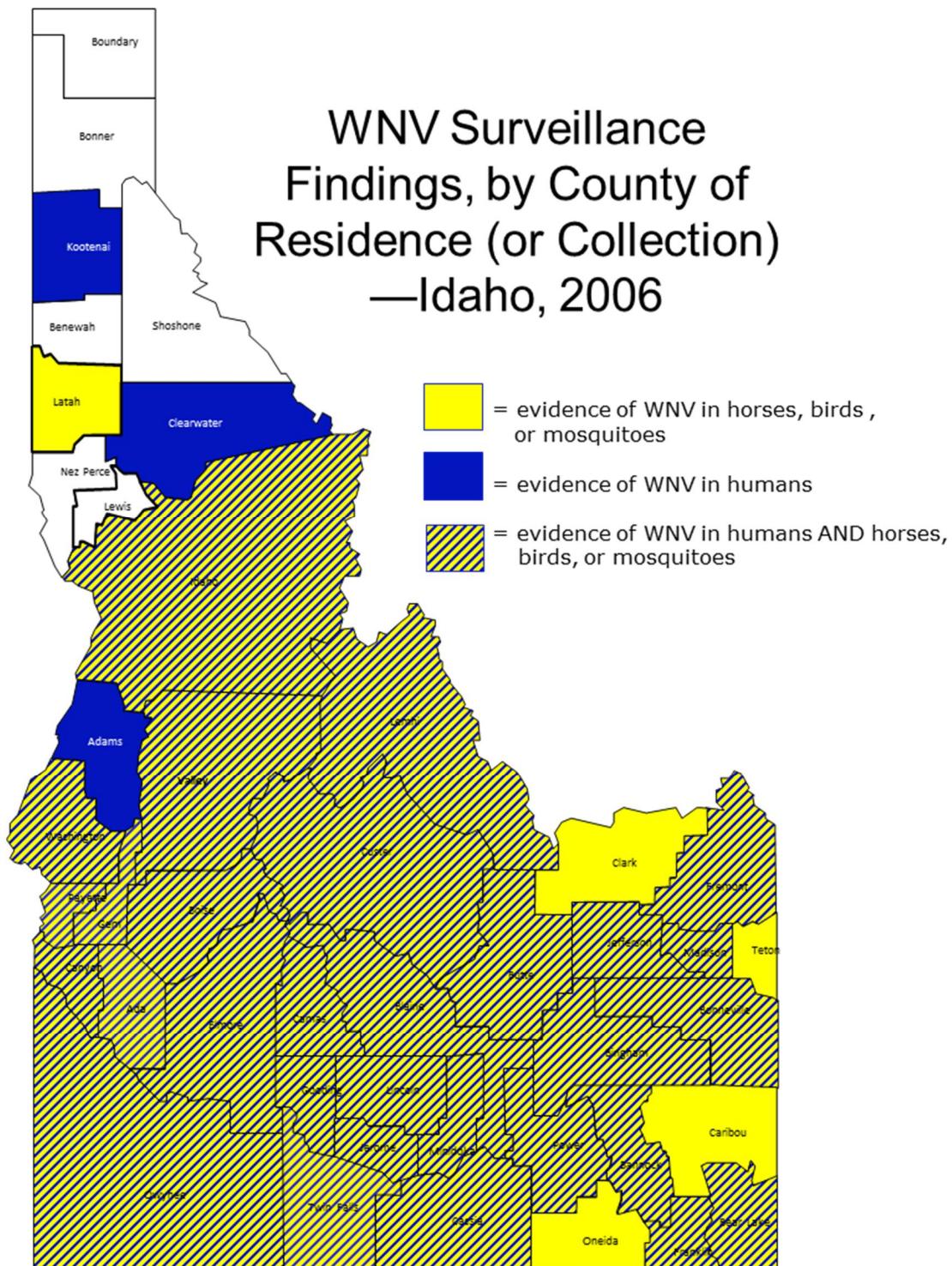
# WNV Surveillance Findings, by County—Idaho, 2007

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	19	2	1	-	Positive
Adams	0	0	-	-	Positive
Bannock	5	0	-	-	Positive
Bear Lake	0	0	-	-	Positive
Benewah	0	0	-	1 (Red-tailed Hawk)	-
Bingham	5	0	1	1 (Red-tailed Hawk)	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	4	0	1	-	Positive
Boundary	0	1	-	-	-
Butte	1	0	Dog (1)	-	-
Camas	0	0	-	-	-
Canyon	23	4	1	1 (Swainson's Hawk)	Positive
Caribou	0	0	-	-	Positive
Cassia	1	0	1	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	4	0	1	-	-
Elmore	7	0	-	1 (Bald Eagle)	Positive
Franklin	1	2	1, Llama (1)	-	-
Fremont	1	0	-	-	-
Gem	12	1	2	3 (American Crow[2], Swainson's Hawk[1])	Positive
Gooding	4	1	-	-	Positive
Idaho	0	0	-	-	-
Jefferson	1	0	-	-	Positive
Jerome	1	0	-	1 (American Crow)	-
Kootenai	1*	0	-	-	-
Latah	0	0	-	-	-



Lemhi	6	0	-	3(American Crow[2], Common Raven[1])	-
Lewis	0	0	-	-	-
Lincoln	0	0	1	-	-
Madison	2	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	1	0	-	-	-
Owyhee	7	0	2	-	Positive
Payette	6	1	-	1(Black-billed Magpie)	Positive
Power	0	0	-	-	Positive
Shoshone	0	0	-	-	-
Teton	4	0	Alpaca (1)	1(Red-tailed Hawk)	-
Twin Falls	3	0	-	-	Positive
Valley	0	0	1	2(American Crow[1], American Kestrel[1])	Positive
Washington	4	0	-	-	Positive
	123	12	Horse (13), Alpaca (1), Llama (1), Dog (1)	15	18
Total reported cases: <b>135</b> Total positive counties: <b>32</b>					
West Nile virus-related deaths: <b>1</b> (included in totals shown in table) Blood donors: <b>3</b>					
*imported case, no local transmission documented in Kootenai County					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2006



# WNV Surveillance Findings, by County—Idaho, 2006

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	210	41	40	29	Positive
Adams	8	0	-	-	-
Bannock	20	4	22	3	-
Bear Lake	1	0	5	-	Positive
Benewah	0	0	-	-	-
Bingham	125	19	44	2	-
Blaine	9	1	4	1	-
Boise	6	0	7	-	-
Bonner	0	0	-	-	-
Bonneville	30	2	9	5	Positive
Boundary	0	0	-	-	-
Butte	4	0	7	2	-
Camas	1	1	1	-	-
Canyon	143	37	51 (49 horses, 1 cow, 1 llama)	14	Positive
Caribou	0	0	2	-	-
Cassia	1	3	10	1	-
Clark	0	0	2	-	-
Clearwater	1	0	-	-	-
Custer	4	0	12	3	-
Elmore	58	9	6	6	Positive
Franklin	1	0	9	-	-
Fremont	5	0	9	3	-
Gem	12	4	7	9	Positive
Gooding	40	6	2	7	-
Idaho	3	0	1	-	-
Jefferson	11	3	20	5	Positive
Jerome	10	2	3	7	-
Kootenai	0	1	-	-	-
Latah	0	0	1	-	-
Lemhi	2	0	7	1	-
Lewis	0	0	-	-	-
Lincoln	7	2	5	1	-

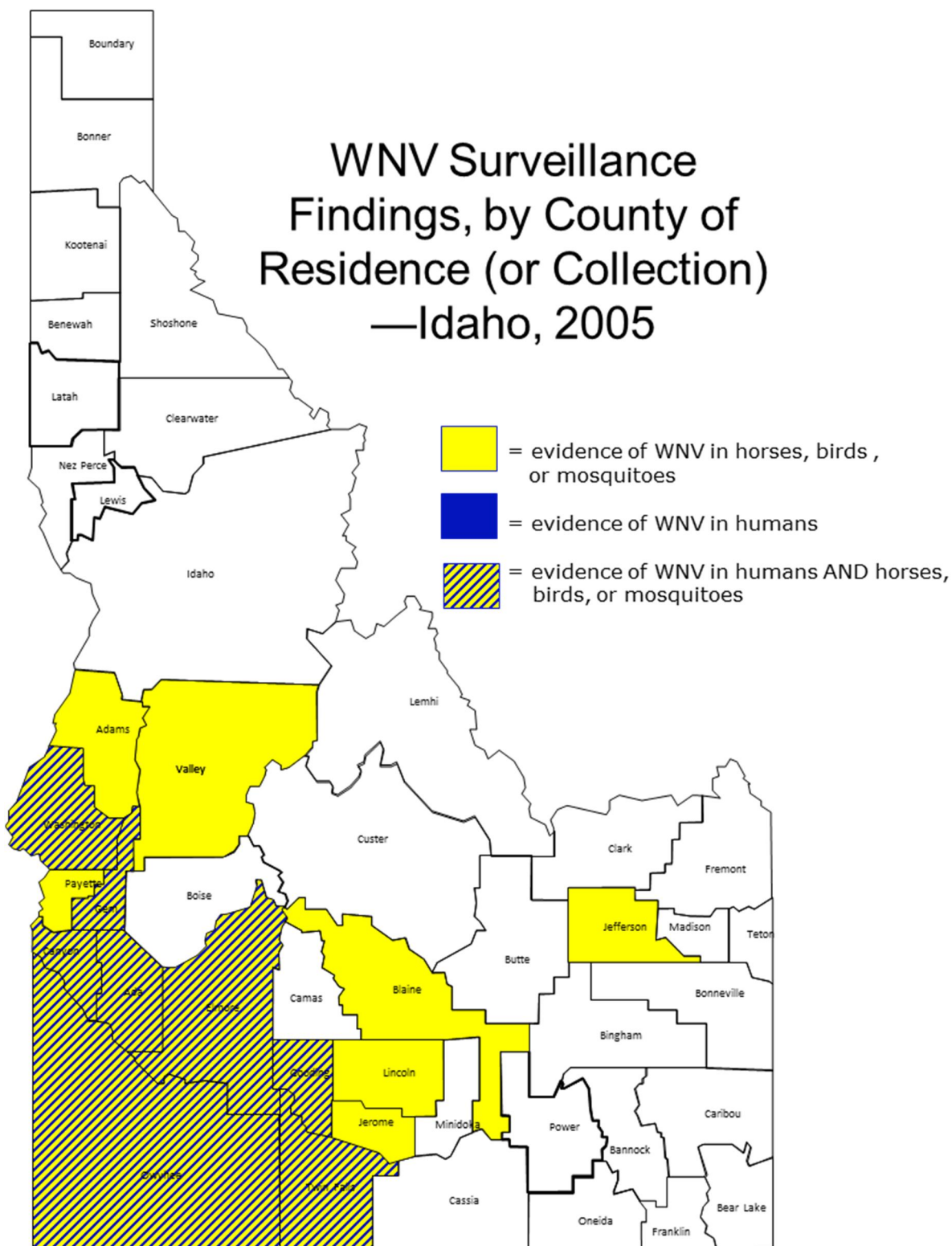


Madison	5	2	9	2	-
Minidoka	16	8	8	2	-
Nez Perce	0	0	-	-	-
Oneida	0	0	2	1	-
Owyhee	26	6	4	10	-
Payette	19	4	2	-	-
Power	2	0	4	-	-
Shoshone	0	0	-	-	-
Teton	0	0	1	-	-
Twin Falls	29	10	22	11	-
Valley	0	2	-	1	Positive
Washington	18	2	2	1	-
	827	169	340	127*	8
Total reported cases: <u>996</u>					
Total positive counties: <u>38</u>					
West Nile virus-related deaths: <u>23</u> (included in totals shown in table)					
Blood donors: <u>20</u>					

\*48 Black-billed magpies, 41 American crows, 11 Sage Grouse, 5 Common Ravens, 5 Swainson's Hawks, 4 California Condors, 3 Golden Eagles, 2 American Kestrels, , 2 Barn Owls, 2 Red-tailed Hawks, 1 Great Horned Owl, 1 Gyrfalcon, and 1 Ferruginous Hawk.

Squirrel mortality was high in south and southeastern communities, attributed to WNV.

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2005



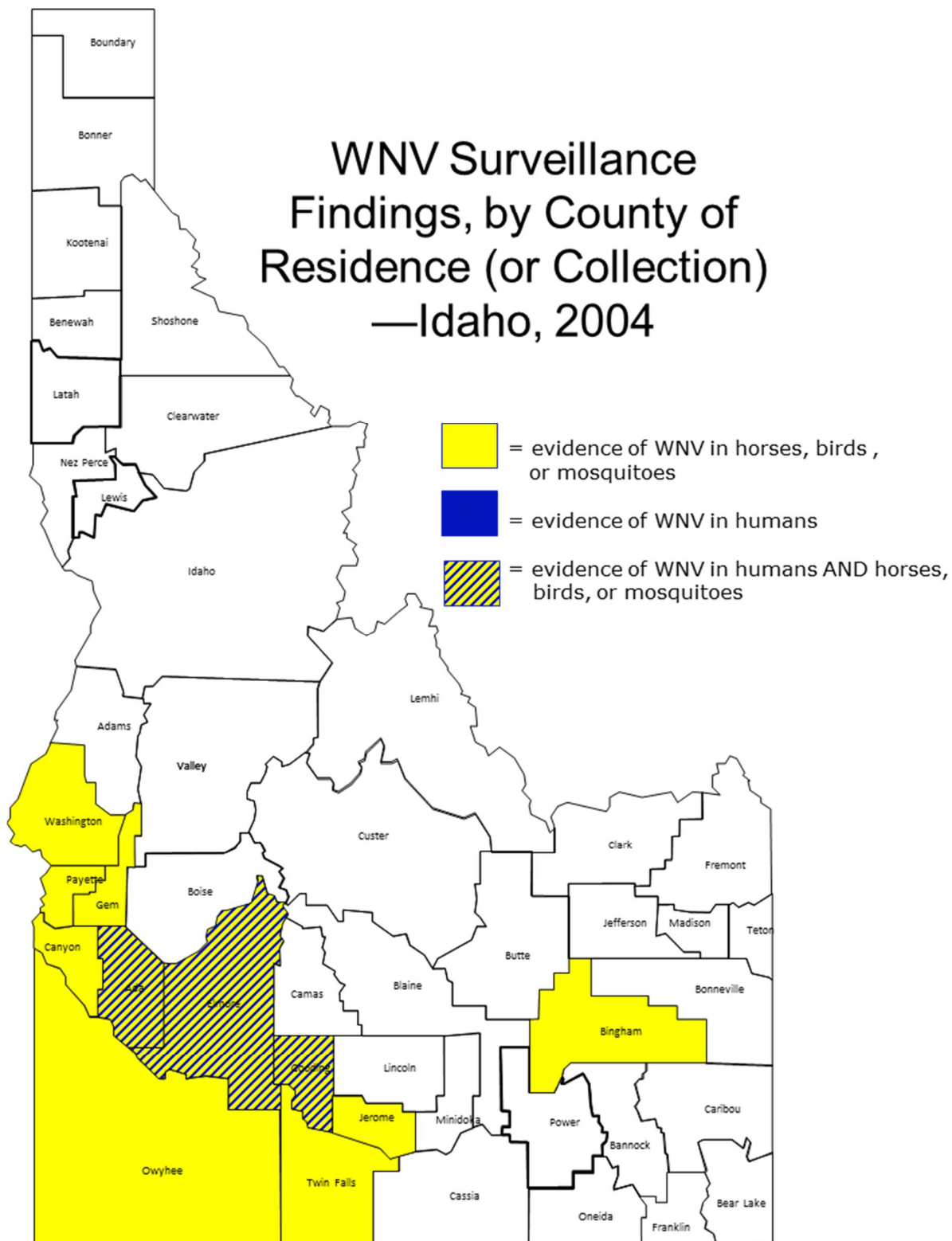
# WNV Surveillance Findings by County—Idaho, 2005

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	2	0	4	6 (Black-billed Magpie [4], American Crow [1], Golden Eagle [1])	Positive
Adams	0	0	4	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	5	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	2	0	23	3 (Magpie [2], American White Pelican [1])	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	2	0	2	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	2	0	10	2 (Magpie [1], Crow [1])	Positive



Gooding	0	2	9	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	2	-	-
Jerome	0	0	1, Dog (1)	2 (Magpies)	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	10	1 (Magpie)	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	1	0	15	-	-
Payette	0	0	6	1 (Swainson's Hawk)	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	1	0	3	-	-
Valley	0	0	1	-	-
Washington	0	1	20	-	Positive
<b>Totals</b>	<b>10</b>	<b>3</b>	<b>Horses (113), Dog (1)</b>	<b>15</b>	<b>5</b>
Total reported cases: <b><u>13</u></b>					
Total positive counties: <b><u>15</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>1</u></b>					

# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2004





# WNV Surveillance Findings, by County—Idaho, 2004

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	0	1	-	1 (American Crow)	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	1	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	6	1 (Crow)	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	1	0	3	2 (Crows)	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	0	0	Alpaca (1)	-	-
Gooding	1	0	8	1 (Black-billed Magpie)	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	1 (Golden Eagle)	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-

Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	1	-	-
Payette	0	0	2	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	1	-	-
Valley	0	0	-	-	-
Washington	0	0	-	1 (Magpie)	-
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>Horse (22), Alpaca (1)</b>	<b>7</b>	<b>0</b>
Total reported cases: <u>3</u>					
Total positive counties: <u>11</u>					
West Nile virus-related deaths: <u>0</u>					
Blood donors detected: <u>0</u>					

**WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2003**

Legend:

- Yellow = Only evidence of WNV in horses, other veterinary species, or mosquitoes
- Blue = Only evidence of WNV in humans
- Yellow with diagonal lines = Evidence of WNV in humans AND horses, other veterinary species, or mosquitoes
- Tan = Imported human cases

See table below for county level information

See table below for county level information

# WNV Surveillance Findings, by County—Idaho, 2003

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	1 (imported)	0	-	-	-
Adams	0	0	-	-	-
Bannock	0	1 (imported)	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	-	-	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	0	0	-	-	-
Gooding	1 (locally acquired, not mosquito- borne)	0	Alligators (14)	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-

Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	-	-	-
Payette	0	0	-	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	<b>1 (imported)</b>	-	-	-
Valley	0	0	-	-	-
Washington	0	0	-	-	-
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>14+ (large alligator die- off [~1000], 14 tested)</b>	<b>-</b>	<b>-</b>
Total Reported Human Cases: <b><u>4</u></b> Total positive counties: <b>1</b> (the other 3 had imported cases)					
West Nile virus-related deaths: <b><u>0</u></b> Blood donors detected: <b><u>0</u></b>					

